

**ABSTRACT OF THE DISCLOSURE**

5 A message transformation selection tool and method  
for use in a distributed message processing system  
running applications on subsystems using incompatible  
message formats, selects the most appropriate output  
message format for a given input message format. Firstly,  
the tool determines compatibility of each field of the  
input message format with fields of all possible output  
message formats. Next, it statistically analyses the  
values of message fields in messages stored in message  
logs for each of the subsystems. On the basis of this  
analysis, the tool selects the best fit output message  
into which to transform a given input message.

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